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(71) Applicant (for all designated States except US): DSM IP  
ASSETS B.V. [NL/NL]; Het Overloon 1, NL-6411 TE  
Heerlen (NL).

(72) Inventors; and

(75) Inventors/Applicants (for US only): SARA KINOS,  
Georgios [GR/NL]; Keizer Karelplein 14, NL-6211 TC  
Maastricht (NL). BROXTERMAN, Quirinus Bernardus  
[NL/NL]; Gelrestraat 11, NL-6151 JA Munstergeleen  
(NL).

(74) Agents: MATULEWICZ, Emil, Rudolf, Antoni et al.;  
DSM Intellectual Property, Delft Office (600-0240), P.O.  
Box 1, NL-2600 MA Delft (NL).

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(54) Title: PROCESS FOR THE PREPARATION OF ALIPHATIC PRIMARY ALCOHOLS AND INTERMEDIATES IN SUCH  
PROCESS

(57) Abstract: The invention relates to protected unsaturated alcohol with formula ( $R^1 - O$ )<sub>m</sub>PG, wherein  $R^1$  represents a linear, straight-chain aliphatic hydrocarbon group containing one or more double bonds and having 26-30 C-atoms, m is 1 or 2 and PG, forming an ether group in combination with the -O- of the former primary alcohol, represents a protecting group chosen from the group of substituted methyl ethers, substituted ethyl ethers, (substituted) benzyl ethers and (substituted) silyl ethers with at least one substituent on the Si-atom being not a methyl group, in case m=1; and a diol protecting group in case m=2; A protected saturated alcohol with formula ( $R^2 - O$ )<sub>m</sub>PG, herein  $R^2$  represents a linear straight-chain alkyl group with 26-30 C-atoms and PG and m are as defined above; unsaturated alcohols with formula  $R^1OH$  wherein  $R^1$  represents a linear, straight-chain aliphatic hydrocarbon group containing one, two or three double bonds and having 27 C-atoms, a linear, straight-chain aliphatic hydrocarbon group containing one or more double bonds and having 28 C-atoms with the proviso that when  $R^1$  has one double bond which is between C<sub>18</sub> and C<sub>19</sub> or between C<sub>19</sub> and C<sub>20</sub>,  $R^1OH$  has the E-configuration, or a linear, straight-chain aliphatic hydrocarbon group containing two or three double bonds and having 26-29 C-atoms. The invention further relates to processes for the preparation of such protected unsaturated alcohols via an organometallic cross coupling reaction, a Wittig reaction via Olefin Cross Metathesis.



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